

# **Whole Number Puzzles**

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**Answer Key**

- **Multi-Sign Puzzles and Missing Sign Puzzles**
- **Magic Square Addition and Magic Square Multiplication Puzzles**
- **Six-Pointed Completion Star, Cross-Number, Mystic Square, Magic Triangle, Magic Wheel , Five-Pointed Magic Star, and Six Pointed Magic Star Puzzles**

## MULTI-SIGN PUZZLE 1

<b>8</b>	÷		+		=	<b>4</b>
÷		-		×		+
<b>4</b>	×		÷	<b>2</b>	=	
÷		+		-		÷
	×	<b>6</b>	÷	<b>3</b>	=	
=		=		=		=
<b>1</b>	+		-		=	<b>6</b>

## MAGIC SQUARE ADDITION PUZZLES

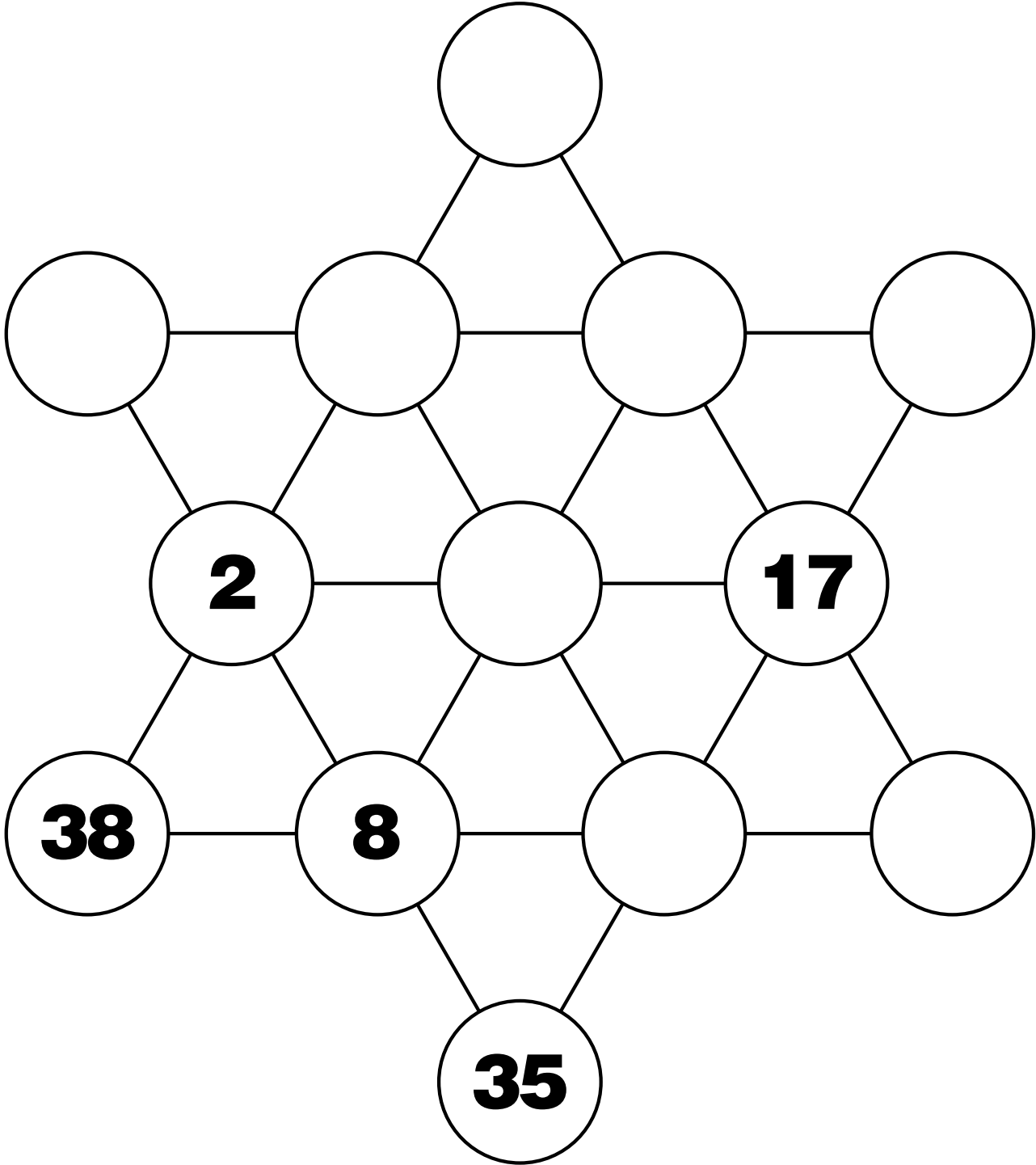
		<b>50</b>
<b>29</b>		<b>57</b>
		<b>22</b>

3

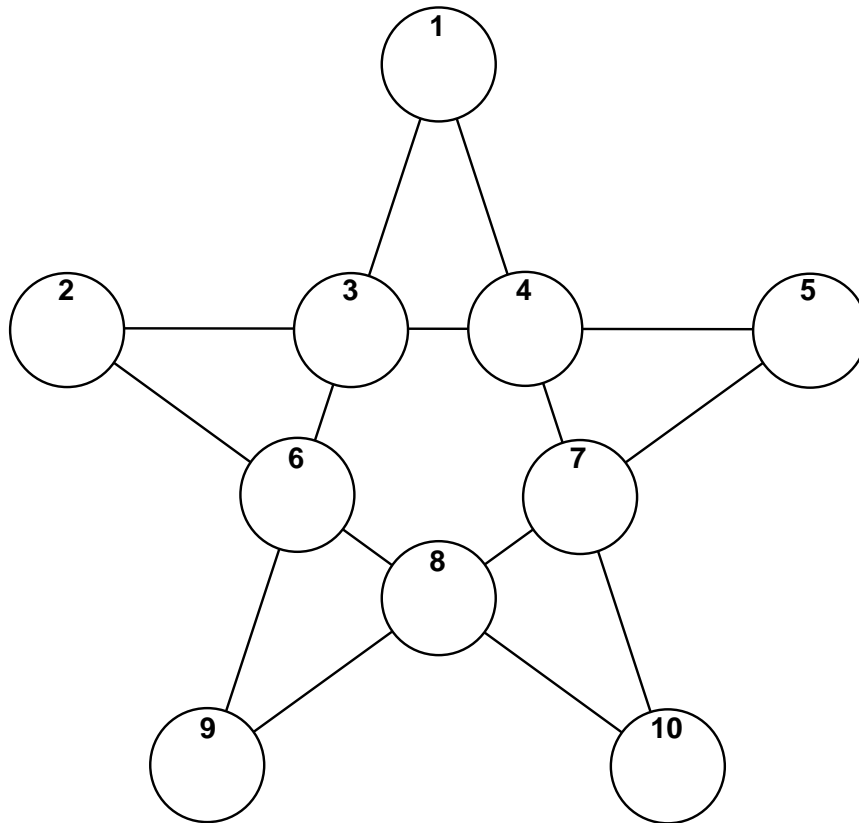
<b>126</b>	<b>35</b>	<b>100</b>
	<b>139</b>	

4

# SIX-POINTED COMPLETION STAR PUZZLE 1



## FIVE-POINTED MAGIC STAR PUZZLE



1. A used car salesman bought a car for \$638 and sold it later for \$1,235. How much was his margin in number of dollars on the exchange?
2. A high school enrollment is made up of 136 freshmen, 129 sophomores, 120 juniors, and 114 seniors. What is the total enrollment of the school?
3. The Lincoln High School basketball team had scores of 49, 52, 63, 69, and 57 points in their first five games. What was their average score per game?
4. If each of five employees works 41 hours per week, including overtime, how many hours do all of them work during the week?
5. Texas Joe made a bid of \$14,400 for a lot of 32 used cars. How much was his average bid per car in number of dollars?
6. Jerry, a husky football player, weighs 283 pounds. Eric, the smallest player on the team, weighs 127 pounds. How many pounds heavier than Eric is Jerry?
7. An electrician has a 500-ft. coil of wire. He uses lengths of 175 ft. and 218 ft. How many feet of wire does he have left on the roll?
8. In a football game Ted completed passes of 42 yd., 12 yd., 25 yd., 17 yd., 39 yd., 28 yd., 41 yd., 27 yd., and 23 yd. How many yards did he gain in the game?
9. Mrs. Johnson plans to drive her car across the country and back, a distance of 7,218 miles. If her car gets 18 miles per gallon, how many gallons of gas will she use?
10. Mrs. Fong, a band director, spent \$14,544 for 48 new band uniforms. How much is this per uniform in number of dollars?